

Climate Case Study

Recruitment

- Combined Tyndall Centre for Climate Change Research and MUCM money
- About to recruit at higher grade

Case Study

- Needs to be agreed with Tyndall and MUCM
- How much carbon can we put into the atmosphere and hit the 2°C target rise in global mean temperature

Method

- Use GENIE-1 model
- 19+ unknown parameters + initial conditions
- Very high dimensionality. Naively 10^4 , but in practice much smaller
- Look for emission pathways
- Should we burn carbon early or late.

Tyndall Collaborators

- Neil Edwards - Open University
- John Shepherd - NOC